

SECRET

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1967 AUG 28 20 31Z

SUBJECT: EVALUATION OF MISSION G-976.

1. CAMERA SYSTEM 111B, UNIT 3 WAS USED ON MISSION G-976 FLOWN 24 AUGUST 1967. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCEN.

2. ORIGINAL NEGATIVE:

A. DENSITY VARIATIONS ARE NOTED AND ASSOCIATED WITH CHANGES IN VEHICLE GROUND TRACK AZIMUTH AND SOLAR ELEVATIONS. THE EXPOSURE CHANGES AT FRAMES 644 AND 1125 COMPENSATE SOMEWHAT FOR THE HIGHER SOLAR ELEVATION. HOWEVER, THE IMAGERY APPEARS SLIGHTLY OVEREXPOSED IN VARIOUS PORTIONS OF THE MISSION.

B. FAINT MINUS DENSITY STREAKS ARE PRESENT THROUGHOUT THE MISSION. THEY ARE ALIGNED IN THE DIRECTION OF SLIT MOVEMENT AND CAUSE MINIMAL DEGRADATION.

C. BANDING IS PRESENT INTERMITTENTLY THROUGHOUT THE MISSION. IT IS MOST EVIDENT IN ACQUISITIONS OVER WATER. (EXAMPLE FRAME 1870.)

D. METERING ANOMALIES ARE NOTED INTERMITTENTLY THROUGHOUT THE MISSION. (FRAMES 530-556.) IN SOME CASES THE FILM MOVED DURING EXPOSURE CAUSING SERIOUS IMAGE DEGRADATION (FRAME 541).

E. NUMEROUS EMULSION DIGS ARE PRESENT THROUGHOUT THE LAST HALF OF THE MISSION (FRAME 1452). EMULSION SCRATCHES ARE ALSO PRESENT INTERMITTENTLY THROUGHOUT (FRAME 552).

F. THE SHUTTER FAILED TO OPEN ON FRAMES 54, 554 AND 1223. THE DIGITAL COUNTER STUCK AT NUMBER 88 FOR TWO FRAMES. THE 24 HOUR CLOCK IMAGE IS OUT OF FOCUS AND VERY DIFFICULT TO READ THROUGHOUT.

G. IMAGE SMEAR IS PRESENT IN FRAMES WHERE THE AIMING ANGLE WAS CHANGED WHILE THE CAMERA WAS OPERATING.

H. MODE THREE WAS USED DURING ACQUISITION OF FRAMES 1452 TO 1527 AND MODE FIVE WAS USED FOR ABOUT HALF OF THE MISSION. THE REMAINDER OF THE MISSION WAS ACQUIRED WITH A MODE SIMILAR TO MODE TWO, HOWEVER, THE CAMERA CYCLED EVERY 2.25 SECONDS (APPROX.) PROVIDING APPROXIMATELY 65 PERCENT FORWARD OVERLAP.

I. THE RESOLUTION DOES NOT COMPARE FAVORABLE WITH MISSION G-972. THE IMAGERY APPEARS TO BE SLIGHTLY OUT OF FOCUS ON A MAJORITY OF THE MISSION. THE BEST RESOLUTION IS ESTIMATED TO

2. POSITIVES:

A. PI SUITABILITY IS FAIR. THE SCALE OF THE PHOTOGRAPHY PROVIDES GOOD INFORMATION, HOWEVER, THE LACK OF SHARPNESS DETRACTS FROM THE IMAGE QUALITY. THE PRIMARY TARGET WAS PHOTOGRAPHED SATISFACTORILY ON THE OBLIQUE PASSES BUT IT WAS MISSED ON THE VERTICAL PASS. ONE SECONDARY TARGET WAS ALSO MISSED.

B. THE PRINTING AND PROCESSING ARE GOOD, HOWEVER, IN SOME CASES THE TITLING ENTERS THE FORMAT. THERE IS NO FRAME TITLED 009.

C. CLOUDS AND HAZE OBSCURED APPROXIMATELY 35 PERCENT OF THE MISSION. THE WEATHER WAS CLEAR OVER THE PRIMARY TARGET AREA.

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END OF MESSAGE

NGA review(s) completed.

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification